

Delphinium nortonii Dunn 的重新描述

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Redescription of *Delphinium nortonii* Dunn

from Xizang, China

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Abstract Examination of the holotype of *Delphinium nortonii* has shown that the description on this species in the Chinese floristic works, such as the Flora Reipublicae Popularis Sinicae, Flora Xizangica and Flora of China, was derived from a misidentification, and thus is not correct, and that the plants from Xizang previously referred to the species in these works actually represent a very different species, i.e. *D. lihengianum*. *D. nortonii*, which has flowers with black-brown stamens, should be a member of *Delphinium* subgen. *Delphinastrum* sect. *Elatopsis*, and may be somewhat related to *D. glaciale*, while *D. lihengianum*, which has flowers with blue stamens, should be a member of *Delphinium* subgen. *Delphinastrum* sect. *Delphinastrum*, and may be closely related to *D. caeruleum*. *D. nortonii* is likely a very rare species, known only from its type locality, Kampa Dzong in Yadong County, S Xizang, China. A detailed description of this species is given and its holotype is photographed.

Key words Ranunculaceae, *Delphinium* L., *Delphinium nortonii* Dunn.

摘要 通过检查藏南翠雀花 *Delphinium nortonii* 的主模式标本,发现《中国植物志》、《西藏植物志》和《Flora of China》中对该种的鉴定和描述有误。该种的花的退化雄蕊黑褐色,属于翠雀亚属的密花翠雀花组 subgen. *Delphinastrum* sect. *Elatopsis*,而上述几种植物志中长期以来将其置于退化雄蕊为蓝色或蓝紫色的翠雀组 sect. *Delphinastrum* 中。这几种植物志中记载的 *D. nortonii* 实际上代表一个新种,即李恒翠雀花 *D. lihengianum*。*D. nortonii* 略类似于冰川翠雀花 *D. glaciale*,而李恒翠雀花与蓝翠雀花 *D. caeruleum* 近缘。本文对 *D. nortonii* 这一相当稀见的种进行了详细描述并提供了主模式照片。

关键词 毛茛科;翠雀属;藏南翠雀花

2001年12月至2002年5月,本文第二作者访问了英国邱皇家植物园标本馆(K),得以有机会检查了该标本馆的我国毛茛科标本。我们检查了 *Delphinium nortonii* Dunn 的模式,即 E. F. Norton 369 号标本(图 1:A)。该标本采自距锡金 12 英里的我国西藏咯巴宗(Kampa Dzong)一带,包括 6 个相当完好的植株。标本乍看之下就让人感到我国有关植物志,如《中国植物志》(王文采,1979)、《西藏植物志》(王文采,1985)和《Flora of China》(Wang & Warnock, 2001)中对该种的鉴定和描述有误,因为该标本的茎 1–4 短,从基部发

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出,每条茎的顶端有1朵花,花近球状,萼距圆锥形,特别引人注意的是其退化雄蕊黑褐色(图1:B)所以该种显然应属于翠雀亚属的密花翠雀花组 subgen. *Delphinastrum* (DC.) Petermann sect. *Elatopsis* Huth,而上述几种植物志中长期以来将该种置于退化雄蕊为蓝紫色的翠雀组 sect. *Delphinastrum* 中。这几种植物志中记载的 *D. nortonii* 实际上是根据采自我国西藏亚东县春丕堂下的钟补求 5950 号标本(藏中国科学院植物研究所标本馆(PE))描述的(王文采,1962)。我们检查了该标本,发现其退化雄蕊与萼片同色,均为蓝色,因而与真正的 *D. nortonii* 极为不同,应当是一个新种,已另文发表(Luo et al., 2003)。推究 *D. nortonii* 长期以来被错误鉴定的原因,一方面固然是因为我国学者以前受条件限制,没有机会去国外检查模式标本或从国外借阅模式标本,另一方面是 Dunn(1927)发表该新种时,指出该种与翠雀组的蓝翠雀花 *D. caeruleum* Jacq. ex Camb. 相近,而且没有描述退化雄蕊的颜色这一在翠雀属中极为重要的分类性状,以至误导我国学者认为 *D. nortonii* 与蓝翠雀花近缘。上述我们根据钟补求 5950 号标本描述的新种,即李恒翠雀花 *D. lihengianum*,确实是与蓝翠雀花极为相似的。考虑到以前关于 *D. nortonii* 的描述不够准确或一些关键特征没有描述,本文根据该种的模式标本,将其重新予以详细描述。

藏南翠雀花 新拟 图 1

Delphinium nortonii Dunn in Bull. Misc. Inform. Kew 1927:247. 1927; Munz in J. Arn. Arb. 48:528. 1967. Type: China. Xizang(西藏):Yadong(亚东), on sandy soil with a western aspect above Kampa Dzong, 12 miles north of Sikkim, alt. 5000 m, 1922-06-17, E. F. Norton 369 (holotype, K!).

Perennial, 7–12 cm tall, densely spreading puberulent, especially so above; stems 1 to several. Leaves long petiolate; petiole 2–4 cm long, base shortly vaginate; blade orbicular; radical leaves 2–3 cm long and broad, palmately 3-sect, the segments flabellate, obviously imbricate, palmately incised into obtuse lobes; cauline leaves few or even absent, similar to radical leaves but smaller. Flower solitary, terminal, large, violet, inflated-globose, long pubescent outside; pedicel 4–5 cm long; bracteoles borne near middle of pedicel, linear or palmatifid, 5–10 mm long, 2–10 mm wide. Upper sepal broadly ovate, ca. 2.5 cm long, ca. 1.8 cm wide, apex obtuse, the spur cylindric-subulate, 1.1–1.9 cm long, 5–7 mm at the base; lateral sepals asymmetrically elliptic-ovate, ca. 1.8 cm long, ca. 1.5 cm broad, apex subrounded; lower sepals elliptic, ca. 2 cm long, ca. 1 cm broad, apex broadly cuneate. Petals almost straight, the limb ca. 1.5 cm long, ca. 3 mm wide, somewhat emarginate at the blunt apex, spur 1–1.4 cm long. Staminode black-brown, bifid, yellow barbate. Filaments glabrous, 7–8 mm long. Carpels 3; ovaries densely velutinous. Fl. Jun.

多年生草本,高7–12 cm,全株被开展短柔毛,上部尤密;茎1至数条,从基部发出。叶柄长2–4 cm,基部具鞘,叶片圆形;基生叶直径2–3 cm,掌状3全裂,全裂片扇形,边缘彼此重叠成覆瓦状,掌状浅裂,裂片钝;茎生叶少甚至无,形似基生叶而小。花单生于茎顶,花大,紫色,膨大近球形,外面被长柔毛,花梗长4–5 cm,小苞片接近花梗中部,条形或掌状分裂,长5–10 mm,宽2–10 mm。上萼片宽卵形,长约2.5 cm,宽约1.8 cm,顶端钝,距圆筒状钻形,长1.1–1.9 cm,基部宽5–7 mm;侧萼片不对称椭圆状卵形,约1.8 cm长,约1.5 cm宽,顶端近圆形;下萼片椭圆形,长约2 cm,宽约1 cm,顶端宽楔形。花瓣近直,瓣片长约1.5 cm,宽约3 mm,顶端微凹,距长1–1.4 cm。退化雄蕊黑褐色,二裂超



图 1 藏南翠雀花的主模式(E. F. Norton 369, K) A. 体态。B. 花的放大, 示退化雄蕊的颜色。
Fig. 1. Photographs of the holotype of *Delphinium nortonii* Dunn (E. F. Norton 369, K). A, Habit. B, An amplified flower, showing the coloration of staminodes. Taken from the holotype gathering, E. F. Norton 369 (K).

过中部,瓣片中央有黄色髯毛。花丝无毛,长 7–8 mm。心皮 3,子房密被短绒毛。花期 6 月。

本种似乎颇稀见,除模式标本外还未见到其他可靠的标本。根据采集记录,该种生长于海拔 5000 m 的沙地中。

本种在体态上似乎与冰川翠雀花 *D. glaciale* Hook. f. & Thoms. 略为相似,但后者叶的全裂片 2–3 回细裂,末回裂片披针状条形而与本种明显不同。二者均应当是翠雀亚属密花翠雀组的成员。

本种的中文名一直称为细茎翠雀花。这一名称可能是基于对该种的错误鉴定而拟订的,没有反映出该种的特征,实际上反映的是李恒翠雀花的特征。考虑到 *D. nortonii* 目前只发现主要分布于我国西藏南部,我们将其改名为藏南翠雀花。

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